

Abstract

Recycle friendly aluminum alloys are described which are variants of AA 3000 and AA 5000 series alloys containing higher than usual amounts of silicon and iron. The alloys contain in percentages by weight, more than 0.6 - 2.0% silicon, 0.9 - 2.4% iron, wherein the ratio of the amount of iron to the amount of silicon is in the range of 1.2 - 1.8:1. Other components of the alloys may include 0 - 0.4% copper, 0 - 1.5% manganese, 0 - 5.0% magnesium, 0 - 0.5% zinc, 0 - 3.5% chromium, 0 - 0.1% titanium and the balance aluminum and incidental impurities.